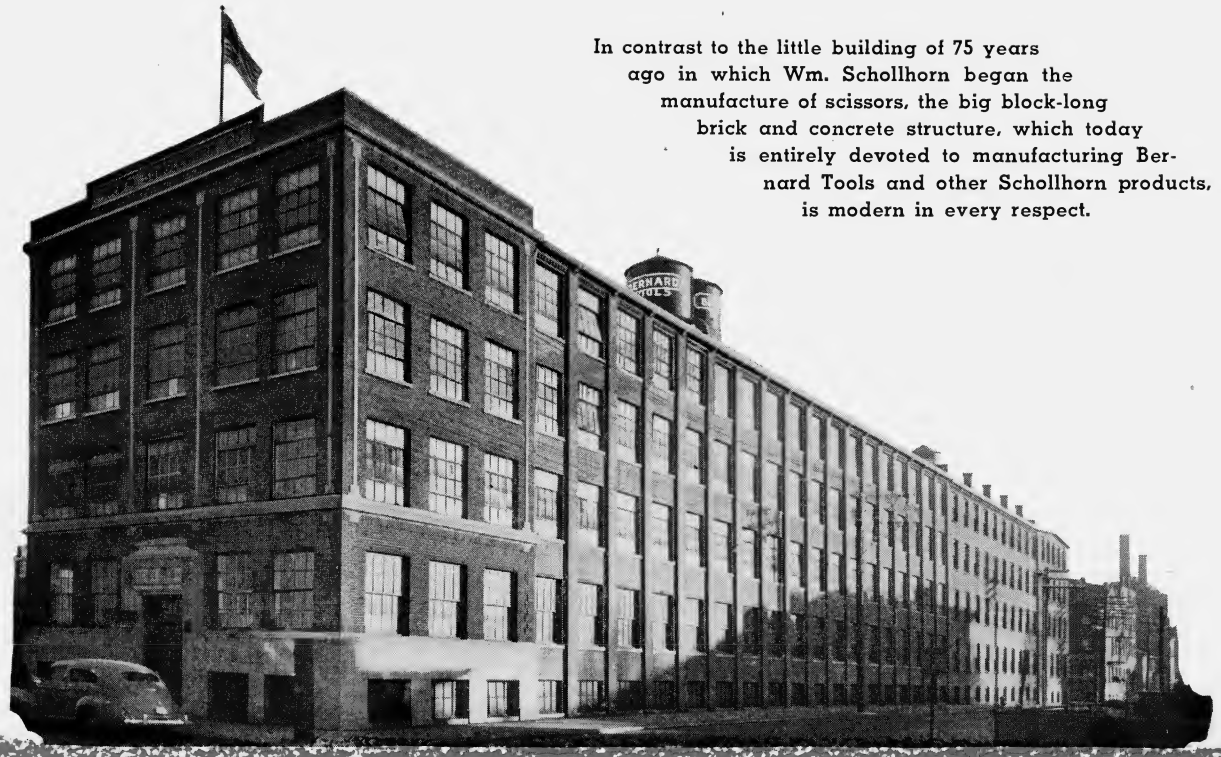

In contrast to the little building of 75 years ago in which Wm. Schollhorn began the manufacture of scissors, the big block-long brick and concrete structure, which today is entirely devoted to manufacturing Bernard Tools and other Schollhorn products, is modern in every respect.

The Evolution of a Pair of Bernard Pliers

Every Bernard plier and other tool must be proved to be a necessity before it is put into production and becomes a part of the Schollhorn Bernard line.

Schollhorn salesmen, distributors and dealers are asked to check on the market for a proposed tool. Research men analyze the potential need for it by contacting actual users. After these preliminary investigations, the proposed tool is designed by Schollhorn engineers and advance models made up. These are submitted to engineering tests at the factory and submitted to specialists and expert users of tools in industry. From their reports the final design of the tool is developed and adopted.

● Above—FORMING HANDLES. Now the handle blank is stamped with a U-shaped channel curved to fit the palm of the hand. This operation requires some of Schollhorn's heaviest and most powerful presses. One look at it and the work it must do would convince anyone that these are indeed the toughest, sturdiest handles a pair of pliers could have. Tests have proved them stronger than ordinary pliers.

● Above—SECOND CLOSING HANDLES. This is the final shaping operation on a handle blank. The camera has caught the heavy hammer descending on a handle blank securely held in the curved die beneath. This closes the inside seam of the handle tightly. Each completed handle is a marvel of lightness and strength which contributes to the tool's efficiency.

● Below—TAPPING HANDLES. This experienced operator is reaming and tapping threads on the inside of the holes on the ends of plier handles. Speed and skill are needed to perform these operations correctly.

● Below—RIVETING PAIRS. Here the plier begins to take shape. The operator assembles right and left handles and rivets them securely in two places. Facing her are two operators engaged in inspecting and adjusting these pairs of handles before they pass on to the next operation.